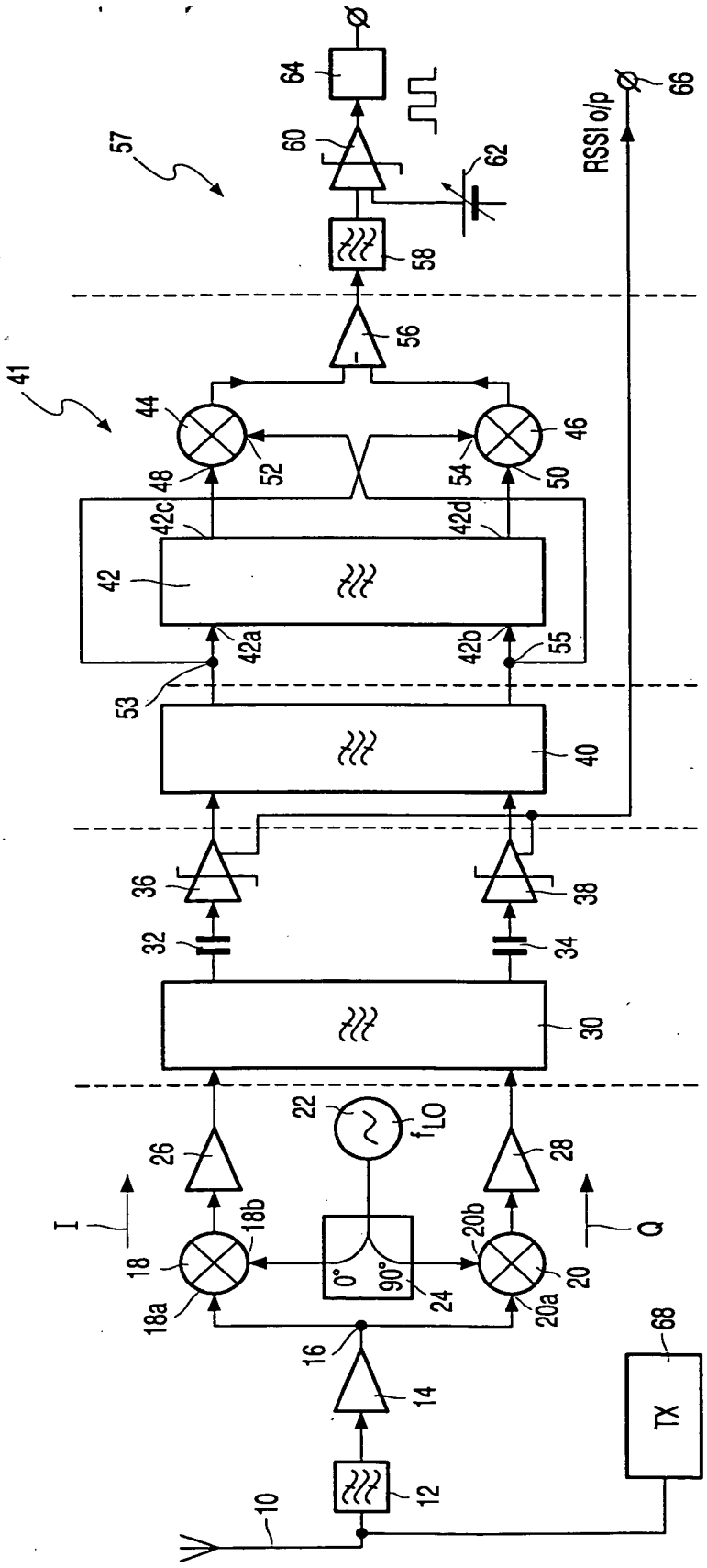
RSSI o/p
66
64
60
62
58
57
56
41
44
46
48
52
54
50
42c
42d
42
42a
42b
55
53
40
36
38
32
34
30
22
f_{LO}
26
28
I
Q
18
18b
20b
20
0°
90°
24
18a
20a
16
14
68
TX
12
10

FIG. 1

Output vectors showing phase errors near a zero-crossing in I:

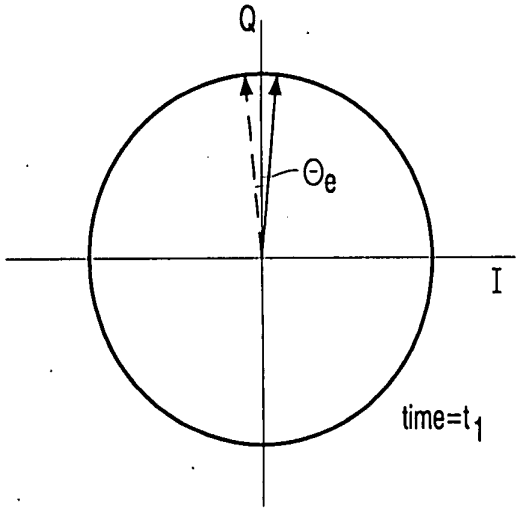

FIG. 2A

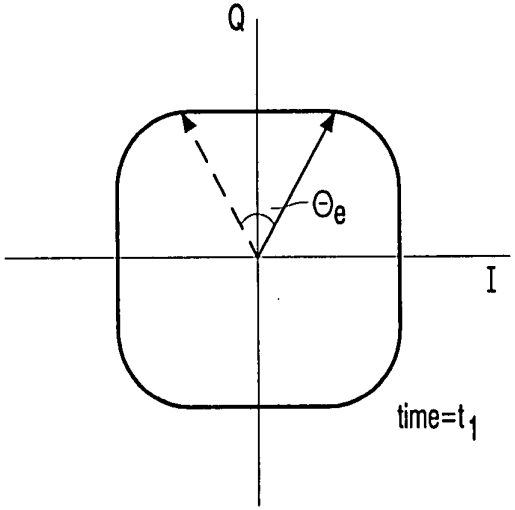

FIG. 3A

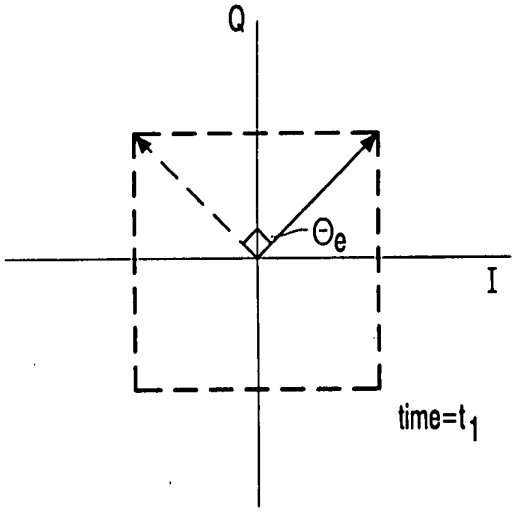

FIG. 4A

I&Q output components:

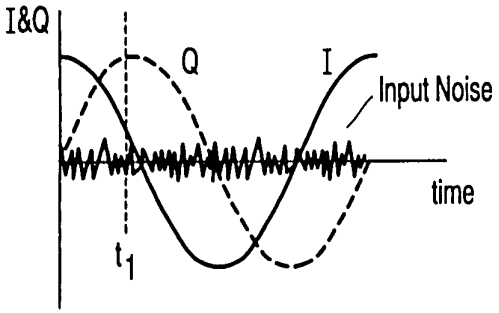

FIG. 2B

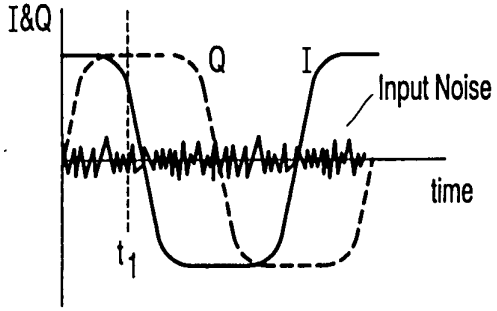

FIG. 3B

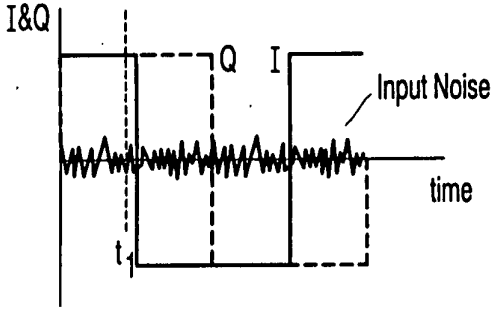

FIG. 4B

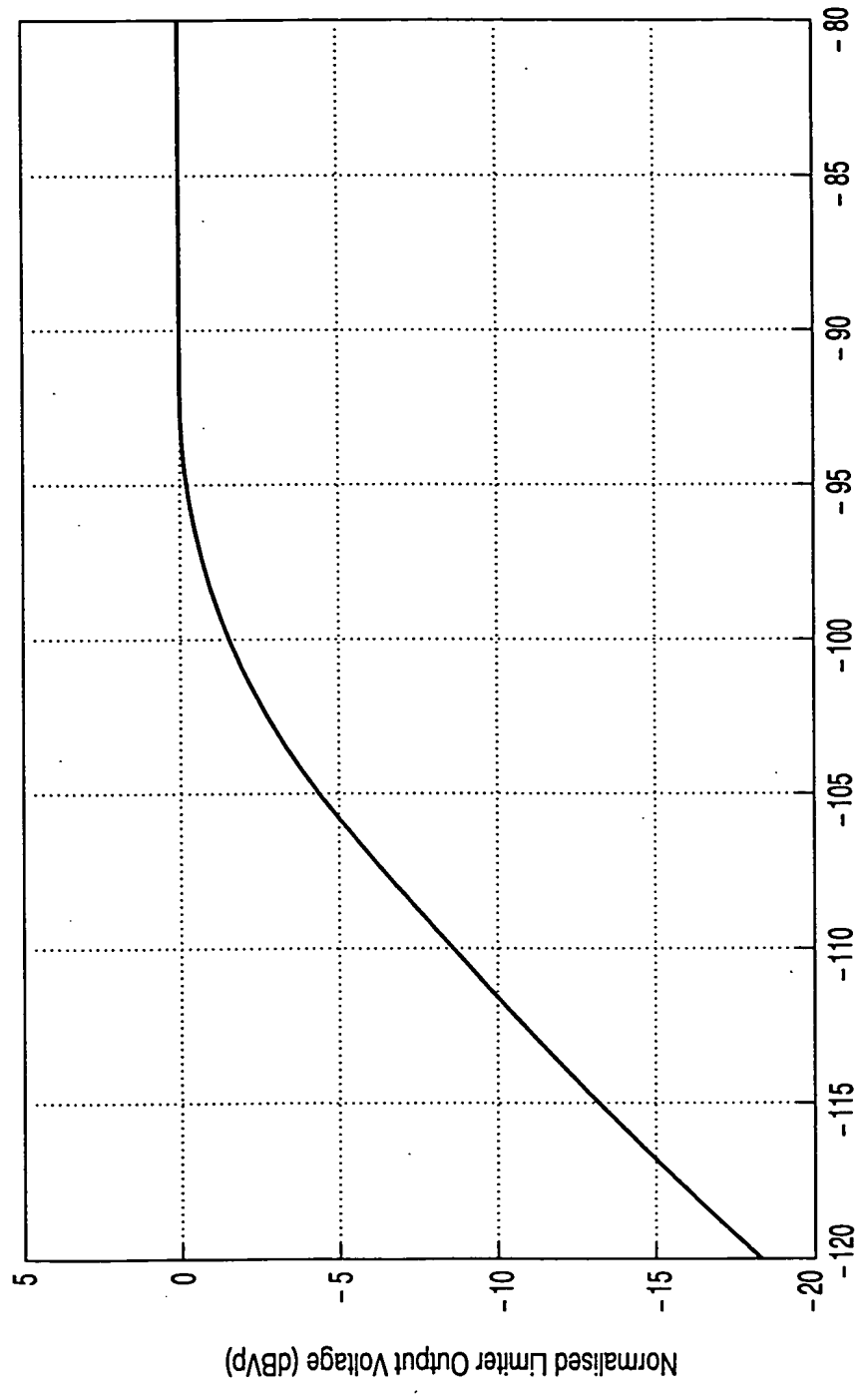
Normalised Limiter Output Voltage (dBVp)
5
0
-5
-10
-15
-20
-120
-115
-110
-105
-100
-95
-90
-85
-80
Rx Input Power Level (dBm)

FIG. 5

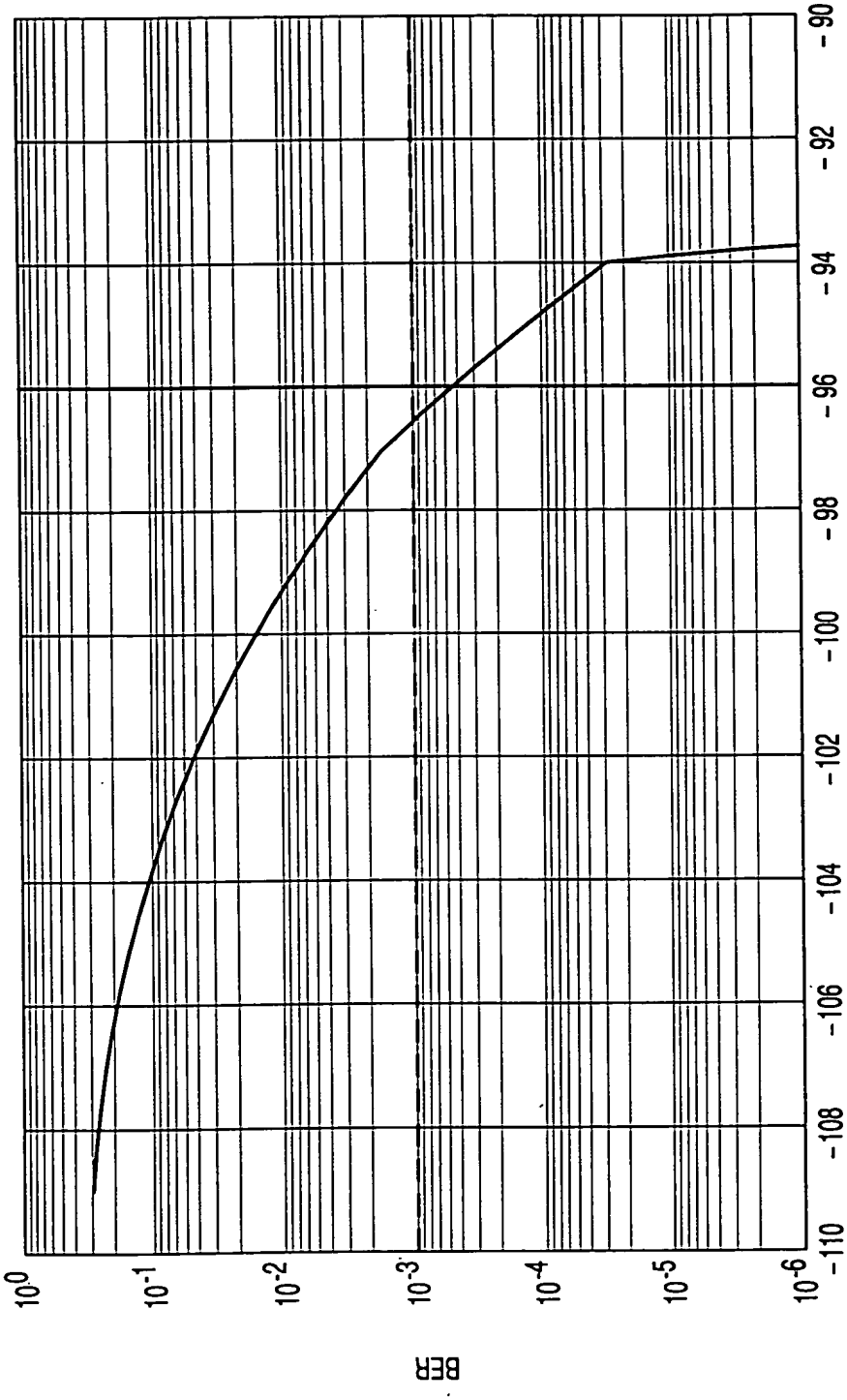
BER
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10^{-6}
-110
-108
-106
-104
-102
-100
-98
-96
-94
-92
-90
Signal Power (dBm)

FIG. 6